

Amendments to the Claims:

The following listing of claims replaces all prior listings and versions of the claims in this application.

Listing of the Claims:

1. - 8. (Cancelled).

9. (Previously Presented) A kit for detection and quantification of human papillomavirus, comprising a) the amplification primers SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5/SEQ ID NO:6, SEQ ID NO:7 and SEQ ID NO:8, and the probes SEQ ID NO:21, SEQ ID NO:22 and SEQ ID NO:23/SEQ ID NO:24, for HPV 16, 31, 18, 45; and optionally b) the amplification primers SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13/SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16 and SEQ ID NO:17/SEQ ID NO:18 and the probes SEQ ID NO:25, SEQ ID NO:26 and SEQ ID NO:27/SEQ ID NO:28/SEQ ID NO:29 for HPV 33, 35, 39, 52, and 58.

10. (Previously Presented) A kit according to claim 9, further comprising c) the amplification primers SEQ ID NO:19 and SEQ ID NO:20 and the probe SEQ ID NO:30, for detection and quantification of the amount of a human single copy gene.

11. (Original) A kit according to claim 10, wherein the gene is HUMPBGDA, Homo sapiens hydroxymethylbilane synthase gene, accnr M95623.1.

12. (Previously Presented) A kit according to claim 9, further comprising d) at least two different fluorophores.

13. (Previously Presented) A kit according to claim 10, further comprising d) three different fluorophores.

14. (Previously Presented) A kit according to claim 9 for detection and diagnose of cervical cancer.

15. -17. (Cancelled).

18. (Previously Presented) A kit according to claim 10, further comprising d) at least two different fluorophores.

19. (Previously Presented) A kit according to claim 11, further comprising d) at least two different fluorophores.

20. (Previously Presented) A kit according to claim 11 for detection and diagnose of cervical cancer.